

# DUAL CAMERA SURVEILLANCE AND CONTROL SYSTEM

## ABSTRACT OF THE DISCLOSURE

The present invention provides a dual camera surveillance and control system. The system comprises a high sensitivity mono camera with enhanced infrared response, an infrared illuminator array for zero ambient light surveillance, and a color camera that does not need to be enhanced in the infra red spectrum. The system also comprises ambient light level sensing, video signal switching technology and power conversion circuitry. The system combines optimized mono imaging under low or no light conditions with optimized color rendered imaging during high ambient light conditions, with both achieving high quality focus. The dual camera nature of the system is transparent to the user due to the integrated automated control of the system, and allows reduced power consumption, making the system suitable for a wireless, remote, self-contained system that draws power from the ambient environment.

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